

How to Make Science Materials?

-By Using Local Materials-

Biology

1) Lung Model



[Materials]

- Straw
- PET bottle
- Film
- *From Toilet Paper
- Balloon
- Scotch tape

[Making]

1) Make two holes on the PET bottle cap



2) Make the holes bigger by scissors



3) Insert two straws into it



3) fix two balloons to the end of straws.



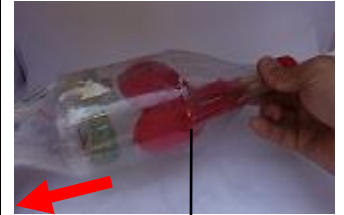
4) Put the toilet paper's film to the cutted PET bottle. And close the cap attached the balloons.



5) Move the film



6) If you pull down it..



Expand !

2) Handmade Microscope



[Materials]

- lens
- *From broken CD player

[Making]

1) Take off the lens from broken CD player



Lens

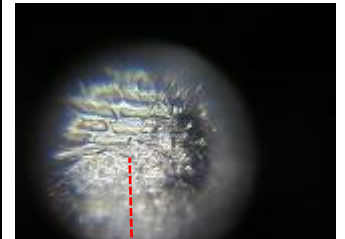
2) Set it into the cardboard and observe a sample.



Sample

lens

*Onion cells



A cell

3) Photosynthesis

[Materials]

- PET bottle
- Baking powder
- Leaf
- *Land Plant is OK.

[Making]

- 1) Get some plants (land plants is OK)
- 2) Put it in the PET bottle and add baking powder and water
- 3) Leave it under the sunlight
- 4) You can get O₂ gas upper side of the PET bottle

